



**NREL** National Renewable Energy Laboratory  
*Innovation for Our Energy Future*

# CAIS User Group (Las Vegas)



**Presenter**  
**Mike McGrady**  
**Date**  
**3/10/2009**

# Site Background

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- Located in Golden and Boulder Colorado
- 37 owned buildings
  - 450,000 SQ FT
  - 160,000,000 RPV
- 7 leased buildings
  - 300,000 SQ FT

# Last Inspection

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- August 2008
- ARES Corp
- 1300 IU's
- Current DM 1.6 million

# New Construction

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- S&TF
  - Construction completed May 2006
  - First Federal LEED Platinum Building
  - 40% energy reduction compared to other lab buildings



# New Construction

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- Research Support Facility (RSF)
  - Estimated construction complete May 2010
  - 218,000 SQ FT (add 50% total owned SQ FT)
  - LEED Platinum
    - 28kBtu/sqft/year
      - Typical office building 100kBtu/sqft/year
      - Lowest energy use office building (world?)







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# Questions